



DC Power Failure Simulator

PFS 2230D

- IEC/EN 61000-4-29
- GB/T 17626.29

Features

- > 5.7-inch color touchscreen for front panel operation
- > Ethernet RJ45 interface for PC remote control and test report printing
- > Equipped with overcurrent protection function, with a Max. output current of 30 A
- > No internal power supply

Introduction

The PFS 2230D DC Power Failure Simulator complies with IEC 61000-4-29 and GB/T 17626.29. It is designed to simulate voltage dips, short interruptions and voltage variations on DC power supply input ports for immunity testing of DC systems.

The simulator adopts embedded system control and measurement technology, with automatic control and measurement functions to improve system reliability. The LCD interface provides convenient operation with intelligent control features.

Application Areas



Technical Parameters

Rating Voltage	DC 220 V
Voltage Dip/Surge Level	0% ~ 120%
Voltage Dip/Interruption Duration	1 ms ~ 9,999 ms
Voltage Dip/Interruption Interval	50 ms ~ 50,000 ms
Voltage Dip/Interruption Counters	1 ~ 9,999
Voltage Rise/Fall Time	1 μ s ~ 50 μ s (with simulator load impedance of 100 Ω)
Output Voltage Overshoot/Undershoot	Less than 10% of voltage variation (with simulator load impedance of 100 Ω)
Max. Output Current	$\leq$ 30 A
Output Terminals	4 mm banana sockets
Load Regulation	Output voltage variation with load (0 to rated current) <5%
Output Impedance During Interruption	>100 k Ω
Note: The simulator has no internal power supply.	

General Parameters

Display Screen	5.7-inch TFT touchscreen
Working Power	AC 220 V $\pm$ 10%, 50/60 Hz
Fuse	6 A
Max. Power Consumption	1,000 W
Storage Space	Infinite (PC)
Communication Mode	Ethernet LAN, RJ45
Working Status Indication	LED indication and LCD display on the front panel
Grounding Method	Flat grounding wire
Dimension	4U rack: 450 (L) * 190 (W) * 620 (H) mm
Weight	Approx. 24 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75% RH (no condensation)
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

Power Cord, Test Cable, Grounding Wire, Fuse, RF Cable, User Manual

Optional Accessories

1	Immunity Test Software	Model: CoreLab > Support Windows 7/8/10 /11 > Supports Ethernet and serial communication modes > Supports parameter sequence, test sequences, easy for operation > Supports customer information configuration and automatic test report printing.	
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